



PATENT  
514413-3900

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Schewe et al  
U.S. Serial No. : 10/038,224  
Filing Date : October 19, 2001  
For : MONOCOTYLEDON PLANT CELLS AND PLANTS WHICH  
SYNTHESISE MODIFIED STARCH  
Group Art Unit : ~~8623~~ 1638 Fox  
Confirmation No. : 8831

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I hereby certify that this correspondence is being  
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Commissioner of Patents and Trademarks,  
Washington, D.C. 20231, on April 25, 2002

William F. Lawrence, Registration No. 28,029

Name of Applicant, Assignee or  
Registered Representative

*William F. Lawrence*  
Signature

April 25, 2002

Date of Signature

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

Enclosed are copies of publications the subject matters  
of which are mentioned in the specification for the Examiner's  
review:

1. W.R. Morrison, "Starch Lipids and How They Relate  
to Starch Granule Structure and Functionality", *Osborne Medal*

Lecture, Cereal Foods World, pp. 437-;

2. Jane et al, "Phosphorus in Rice and Other Starches", Cereal Foods World, November-December 1996, Vol. 41, No. 11, pp. 827-832;

3. Lim et al, "Characterization of Phosphorus in Starch by  $^{31}\text{P}$ -Nuclear Magnetic Resonance Spectroscopy", Cereal Chemistry, Vol. 71, No. 5, 1994, pp. 489-493;

4. WO 97/11188 published March 27, 1997;

5. Lorberth et al, "Inhibition of a Starch-granule-bound protein leads to modified starch and repression of cold sweetening", Nature Biotechnology, Vol. 16, May 1998, pp. 473-477, also referred to as XP 002111459;

6. Ritte et al, "Reversible binding on the starch-related R1 protein to the surface of transitory starch granules", The Plant Journal, 2000 21(4), pp. 387-391;

7. Jansen et al, "Analysis of cDNA clones encoding the entire precursor-polypeptide for ferredoxin: NADP<sup>+</sup> oxidoreductase from spinach", Current Genetics, 1988, 13: pp. 517-522;

8. Klösgen et al, "The amyloplast-targeting transit peptide of the waxy protein of maize also mediates protein transport in vitro into chloroplasts", Mol. Gen Genet 1989, 217, pp. 155-161;

9. Nielsen et al, "Starch Phosphorylation in Potato Tubers Proceeds Concurrently with de Novo Biosynthesis of Starch", Plant Physiol. 1994, 105: pp. 111-117;
10. Jane et al, "Internal Structure of the potato starch granule revealed by chemical gelatinization", Carbohydrate Research, 247, 1993, pp. 279-290;
11. Gough et al, "Effect of Metal Cations on the Swelling and Gelatinization Behaviour of Large Wheat Starch Granules", pp. 123-130;
12. Leisy et al, "Expression of a Rice Glutelin promotor in transgenic tobacco", Plant Molecular Biology, 14, 1989, pp. 41-50;
13. Zheng et al, "5'distal and proximal *cis*-acting regulator elements are required for developmental control of a rice seed storage protein *glutelin* gene", The Plant Journal, 1993 4(2), pp. 357-366;
14. Yoshihara et al, "A45-bp proximal region containing AACA and GCN4 motif is sufficient to confer endosperm-specific expression of the rice storage protein glutelin gene, *GluA-3*", FEBS Letters 383, 1996, pp. 213-218;
15. Werr et al, "Struture of the sucrose synthase gene on chromosome 9 of *Zea mays* L.", The EMBO Journal vol. 4, 1985, pp. 1373-1380;

16. Anderson et al, "Conservation in wheat high-molecular-weight glutenin gene promotor sequences: comparisons among loci and among alleles of the GLU-B1 locus", Theor. Appln. Genet, (1998), 96, pp. 568-576;

17. Thomas et al, "Identification of an Enhancer Element for the Endosperm-Specific Expression of High Molecular Weight Glutenin", The Plant Cell, Vol. 2, pp. 1171-1180, December 1990;

18. Sengupta-Gopalan et al, "Developmentally regulated expression of the bean  $\beta$ -phaseolin gene in tobacco seed", Proc. Natl. Acad. Sci. USA, Vol. 82, pp. 3320-3324, May 1985;

19. Bustos et al, "Regulation of  $\beta$ -Glucuronidase Expression in Transgenic Tobacco Plants by an A/T-Rich, *cis*-Acting Sequence Found Upstream of a French Bean B-Phaseolin Gene", The Plant Cell, Vol. 1, pp. 839-853, September 1989;

20. Pedersen et al, "Cloning and Sequence Analysis Reveal Structural Variation among Related Zein Genes in Maize", Cell, Vol. 29, pp. 1015-1026, July 1982;

21. Quattrocchio et al, "The maize zein gene zE19 contains two distinct promoters which are independently activated in endosperm and anthers of transgenic *Petunia* plants", Plant Molecular Biology, 15, pp. 81-93, 1990.

We have enclosed a copy of PTO-1449 in duplicate which is considered part of the Information Disclosure Statement. This Information Disclosure Statement is being submitted prior to receipt of a first Office Action, so no fee is deemed necessary.

However, if a fee is required, the Examiner is hereby authorized to charge our Deposit Account 50-0320.

Applicant respectfully requests that the Examiner consider and make of record the documents cited herein and that a copy of Form PTO-1449 be initialed by the Examiner and returned to the undersigned.

Respectfully submitted,

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